

## **Bassem Ayman Balbool**

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### **RESEARCH INTERESTS**

Microbiology, Immunology, Fungal metabolites, Endophytic fungi, Fungal biodiversity

### **EDUCATION**

PhD in Applied Microbiology, March 2020 – Faculty of Science, Suez Canal University, Egypt.

MSC in Applied Microbiology, April 2014 – Faculty of Science, Suez Canal University, Egypt.

BA in Botany & Chemistry, 2008- Faculty of Science, Cairo University, Egypt.

### **WORK EXPERIENCE**

1. Lecturer of Microbiology, October University for Modern Sciences and Arts, October May 2020.

- Teaching general Botany.
- Teaching general Microbiology.
- Participate at examination unit at the university.
- Participate at the advising procedures for student's registration for courses.
- Member at the student affairs office at the faculty of Dentistry.

2. Assistant Lecturer, October University for Modern Sciences and Arts, October 2009- May 2020.

- Teaching general Botany.
- Teaching general microbiology.
- Participate at control work and exams planning at the university.
- Participate at the advising procedures for student's registration for courses.
- Member at the student affairs office at the faculty of Dentistry.

3. Research assistant, Agriculture research center, Cotton institute, Physiology department, February 2009- October 2009.

4. Executive manager, community and environmental services center project at saint Katherine; project funded by the European Union at south Sinai, August 2008- January 2008.

- Manage monthly plans.
- Carrying out microbiological experiments at the microbiology lab and doing environmental researches.
- Evaluation of project members and workers.
- Organizing events or workshops.

### **PUBLICATIONS**

- Abdel-Azeem, A., Abu-Elsaoud, A., Darwish, A., **Balbool, B.**, Abo Nouh, F., Abo Nahas, H., Abd El-Azeem, M., Ali, N., Kirk, P. (2020). The Egyptian Ascomycota 1: Genus *Aspergillus*. *Microbial Biosystems*, 5(1), 61-99. doi: 10.21608/mb.2020.100044
- **Balbool, B.**, & Abdel-Azeem, A. (2020). Diversity of the culturable endophytic fungi producing L-asparaginase in arid Sinai, Egypt. *Italian Journal of Mycology*, 49(1), 8-24. doi:<https://doi.org/10.6092/issn.2531-7342/10063>

- **BA Balbool**, AM Abdel-Azeem, MH Moubasher, EA Helmy (2018). Production of L-Asparaginase (L-ASN) from endophytic *Lasiodiplodia theobromae* hosted *Teucrium polium* in Egypt. *Microbial Biosystems*, 3(2), 46-55.

### Abstracts

- Abdel-Azeem, A. M., Abdel-Moneim, Saleh, M. Y., **Balbol, B. A.**, Mohamed, A. H., El-Sayed, A. A. and Amin, H. F. (2008). Microbiological and physicochemical analysis of ground water in Saint Katherine, Egypt. Seventh International Conference of Maadi Cultured Association "A clean glass of water 2008", Cairo Culture and Environment House, 21-22 October 2008, Cairo, Egypt, Abstract book: 35.
- **Balbool, B. A.**, Abdel-Azeem, A. M., Khalil, W.F. and El-Kazzaz, W. M. (2013). Bioprospecting as a conservation tool: the genus *Aspergillus* (*Eurotium*) in Egypt. Third International Congress on Fungal Conservation, Akyaka, Mugla, Turkey, 11-15 November 2013. Abstract book: 36.
- **Balbool, B. A.**, Abdel-Azeem, A. M., Blanchette, R. A., Moubasher, M. H. and Helmy, E. A. (2016). Bioprospecting and Conservation of Egyptian Endophytic Mycobiota: Taxa Producing L-asparaginase Enzyme. The First International Conference on Fungal Conservation in the Middle East and North of Africa, Ismailia, Egypt, 18-20 October 2016. Abstract book: 37.

### Book chapters

- **Bassem A. Balbool**, Fatma Ahmed Abo Nouh, Sara Atef Gezaf, Akram H. Mohamed. Bioprospecting of thermophilic fungal enzymes and potential application. Industrially important fungi for sustainable development. Springer-Nature. (In press).
- **Bassem A. Balbool** & Akram H. Mohamed. *Aspergillus* from Different Habitats and Their Industrial Applications. Industrially important fungi for sustainable development. Springer-Nature. (In press).

### Conferences

- Organizer and participant at Swedish - Egyptian conference about flora of Egypt (taxonomic research: future applications on the Egyptian flora), (2008), Cairo University, Cairo, Egypt.
- Participation at the conference of "clean glass of water" as organizer, (2008), Cairo, Egypt.
- Participant at the Third International Conference of Biotechnology, (2011), MSA University, Giza, Egypt.
- Organizer at the first conference for science at the old ancient Egyptian culture in cooperation with Cairo University and Supreme Council of Antiquities, (2008), Cairo, Egypt.
- Organizer and participating with a paper at the first international conference for fungal conservation, (2016) Suez Canal University, Ismailia, Egypt.
- Participation at the third international congress on fungal conservation with poster, (2013), Turkey.
- Organizer and participating with a poster at the second international conference for fungal conservation, (2018), Suez Canal University, Ismailia, Egypt.

### Self-development:

- Publons certified peer reviewer course, online, Feb. 2021.
- Bioinformatics for Biologists: An Introduction to Linux, Bash Scripting, and R. **Online** (Future learn), Wellcome Connecting Science. 2021.
- Bacterial Genomes I: From DNA to Protein Function Using Bioinformatics. **Online** (Future learn), Wellcome Connecting Science. 2021.

- Bacterial Genomes II: Accessing and Analyzing Microbial Genome Data Using Artemis. **Online** (Future learn), Wellcome Connecting Science. 2021.

### **Trainings and workshops**

- Introduction to Bioinformatics-H3ABIONET workshop (Class 2020) (Online, Duration: 12 weeks).
- Participated in the Biodiversity Monitoring program course at St. Katherine protectorate for a complete two weeks during summer 2007 under supervision of the British council.
- Training at the biochemistry laboratories of the National Institute of Heart from the period of 21-7-2007 to 31-7-2007.
- Training course at the National Research Center at microbiology and immunity unit from 16-7-2006 to 3-8-2006.

### **Skills**

Microsoft office 365 package, SPSS, Basic bioinformatics tools, Knowledge with online teaching platforms.

### **Languages**

- Arabic: Native.
- English: Excellent.

### **Honors and Awards**

- Best PhD student award (1<sup>st</sup> place) at the first international conference of fungal conservation Suez Canal University.

### **Memberships**

Board member at the Arab society for fungal conservation.

Editorial board of the Microbial Biosystems Journal (Featured editor).

### **Personal data**

Marital status: Single.

Military status: Exempted.

Date of birth: 11/7/1987